

Claims:

1. An antisense oligonucleotide from about 20 to about 100 nucleotides comprising a sequence selected from the group consisting of SEQ ID NOs:1 - 30 as set forth in Table 1 which oligonucleotide inhibits neuropilin expression.
2. The antisense oligonucleotide of Claim 1 further comprising one or more phosphorothioate internucleotide linkages
3. The antisense oligonucleotide of Claim 1 further comprising additional nucleotides not complementary to the neuropilin mRNA.
4. A vector comprising an oligonucleotide sequence from about 20 to 100 nucleotides comprising a sequence selected from the group consisting of SEQ ID NOs:1 - 30 as set forth in Table 1 which oligonucleotide inhibits neuropilin expression.
5. A pharmaceutical composition comprising a pharmaceutically acceptable excipient and an effective amount of the antisense oligonucleotide from about 20 to 100 nucleotides comprising a sequence selected from the group consisting of SEQ ID NOs:1 - 30 as set forth in Table 1 which inhibit neuropilin expression.
6. A method for inhibiting the growth of a mammalian tumor comprising, administering to a mammal suspected of having the tumor an effective amount of an antisense oligonucleotide from about 3 to about 100 nucleotides comprising a sequence complementary to a mammalian neuropilin mRNA under conditions such that the growth of the tumor is inhibited.

5
SUB B1

002296260
042299

7. The method according to Claim 6 further comprising the step of administering to the mammal a chemotherapeutic agent.

8. The method according to Claim 6 wherein the oligonucleotide comprises a sequence selected from the group consisting of SEQ ID NOs:1 - 30 as set forth in Table 1.

~~9. The method according to Claim 6 wherein the oligonucleotide is nuclease resistant.~~

10. A method for inhibiting the metastasis of a mammalian tumor comprising, administering to a mammal suspected of having a metastatic tumor an effective amount of an antisense oligonucleotide from about 3 nucleotides to about 100 nucleotides comprising a sequence complementary to a mammalian neuropilin gene under conditions such that the metastasis of the tumor is inhibited.

11. The method according to Claim 10 further comprising the step of administering to the mammal a chemotherapeutic agent.

12. The method according to Claim 10 wherein the oligonucleotide is nuclease resistant.

13. The method according to Claim 10 wherein the oligonucleotide comprises a sequence selected from the group consisting of SEQ ID NOs:1 - 30 as set forth in Table 1.

14. A method for inhibiting neovascularization comprising, administering to a mammal an effective amount of an antisense oligonucleotide from about 3 nucleotides to about 100 nucleotides comprising a sequence complementary to a

0306264-042000

SUB BY
CONT

mammalian neuropilin gene under conditions such that neovascularization is inhibited.

SUB
E1

15. The method according to Claim 14 wherein the oligonucleotide is nuclease resistant.

SUB B5

16. The method according to Claim 14 wherein the oligonucleotide comprises a sequence selected from the group consisting of SEQ ID NOs:1 - 30 as set forth in Table 1.

ADD B6

ADD
C6

add
D2

002240-19296260